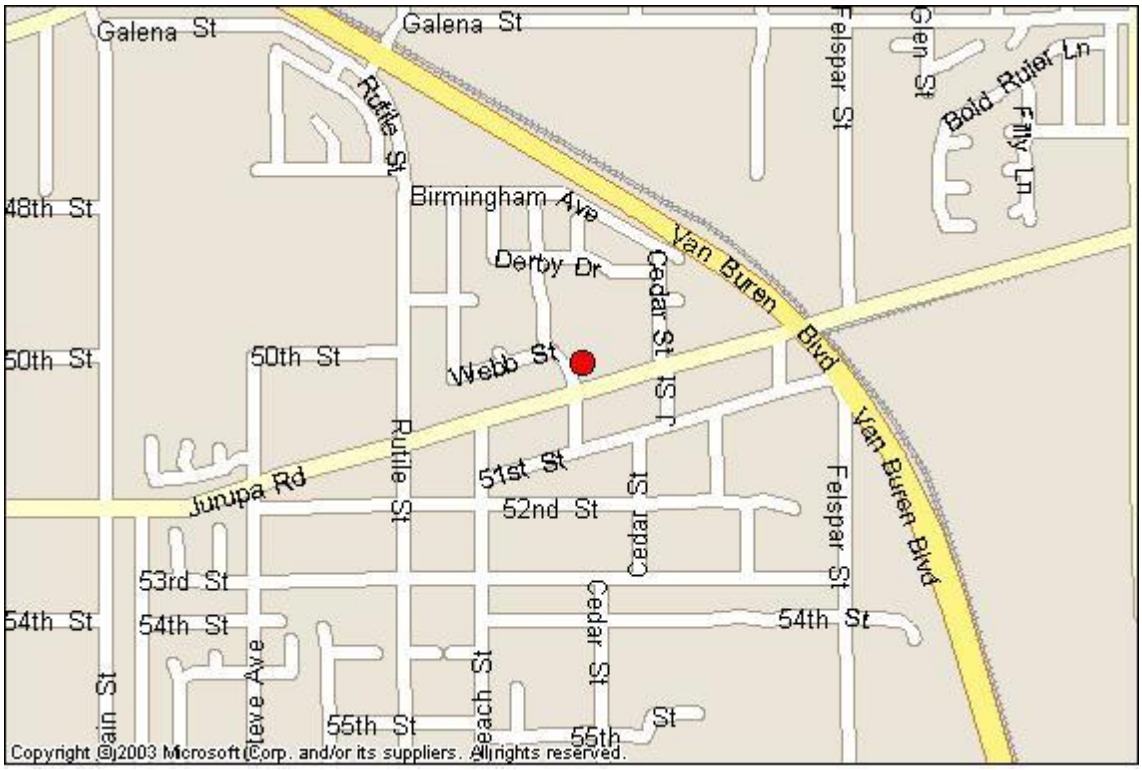
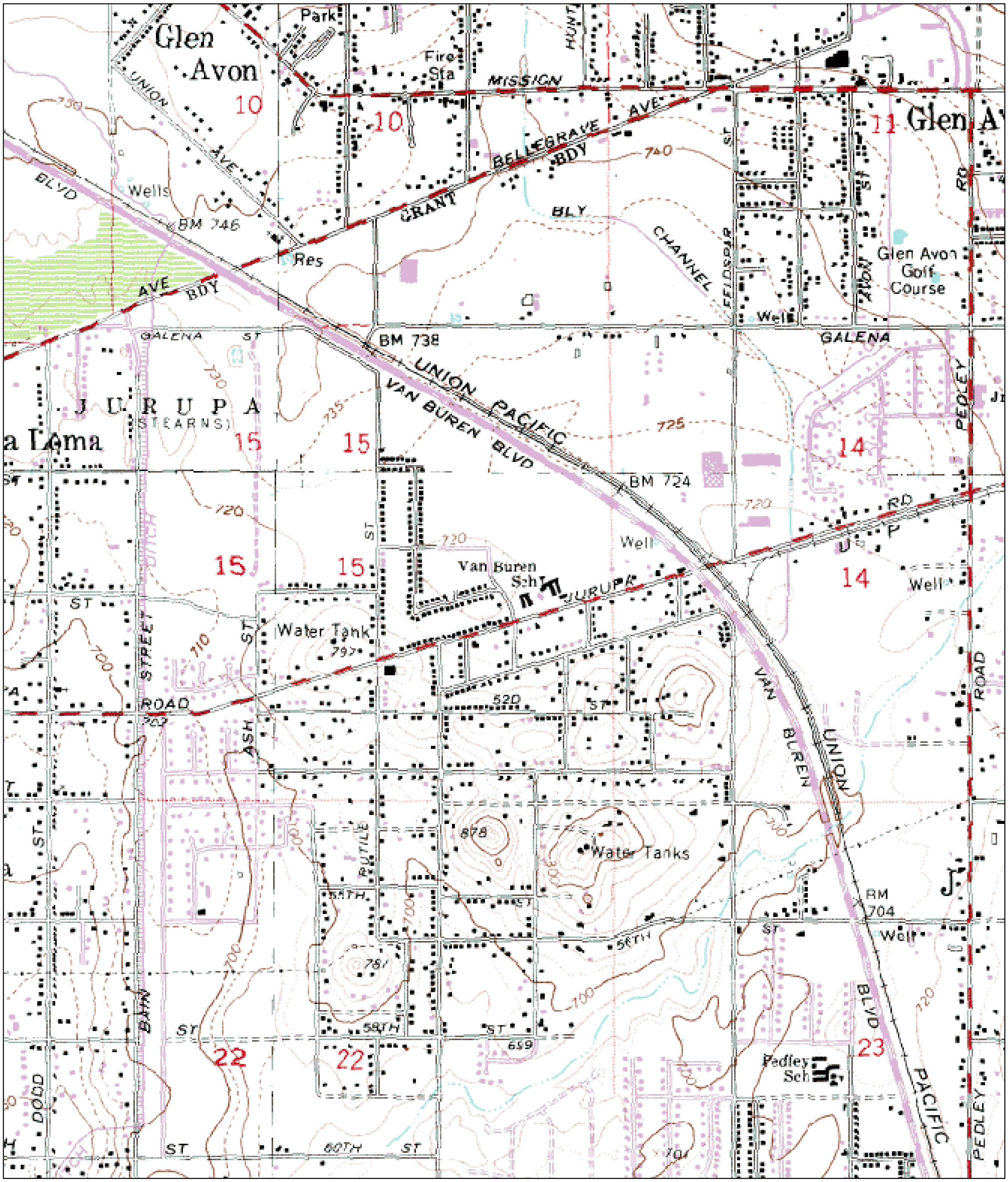
South Coast AQMD
Site Survey Report for Mira Loma (Van Buren)

Last updated: May 6, 2021



AQS ID	ARB Number	Site Start Date	Reporting Agency and Agency Code
060658005	33165	11/2005	South Coast AQMD (0972)

Site Address	County	Air Basin	Latitude	Longitude	Elevation
5130 Poinsettia Place Riverside, CA 92509	Riverside	South Coast	33° 59' 46"N	117° 29' 32"W	220


Glen Avon
Park
Fire Sta
MISSION
HUNT
10
10
11
Glen Av
UNION AVE
BELLEGRAVE AVE
BDY
GRANT
740
730
Wells
BM 746
BLVD
Res
AVE BDY
BLY CHANNEL
FELDSPAR
ST
Glen Avon Golf Course
Wells
GALENA ST
GALENA
BM 738
UNION PACIFIC
VAN BUREN BLVD
JURUPA (STEARNS)
a Loma
15
15
15
15
14
14
PEDLEY
725
735
BM 724
720
RD
Well
Van Buren Sch
JURUPA
Water Tank
797
STREET
ROAD
ASH ST
520 ST
VAN BUREN
UNION
878
Water Tanks
RUTILE
55TH
56TH
751
BM 704
Well
58TH ST
659
BAIN
DODD
22
22
23
Pedley Sch
BLVD
PACIFIC
60TH ST
701
700
710
ROAD

Detailed Site Information

Local site name	Mira Loma (Van Buren)
AQS ID	060658005
GPS coordinates (decimal degrees)	Latitude: 33° 59’ 46” Longitude: 117° 29’ 32”
Street Address	5130 Poinsettia Place, Riverside CA
County	Riverside
Distance to roadways (meters)	14 – 15
Traffic count (AADT, year)	< 1,000 / 2012
Groundcover (e.g. asphalt, dirt, sand)	Gravel
Representative statistical area name (i.e. MSA, CBSA, other)	40140-Riverside, San Bernardino-Ontario, CA MSA

Pollutant, POC	Carbon Monoxide, 1	Nitrogen Dioxide, 1	Ozone, 1	PM10, 1
Primary / QA Collocated / Other	N/A	N/A	N/A	Primary
Parameter code	42101	42602	44201	81102
Basic monitoring objective(s)	NAAQS	NAAQS	NAAQS	NAAQS
Site type(s)	Population Exposure	Population Exposure	Population Exposure	Highest Concentration
Monitor (type)	SLAMS	SLAMS	SLAMS	SLAMS
Network Affiliation	N/A	N/A	N/A	N/A
Instrument manufacturer and model	Horiba APMA 360	Thermo 42i	API/Teledyne 400E	GMW 1200 SSI
Method code	106	074	087	063
FRM/FEM/ARM/ other	FRM	FRM	FEM	FRM
Collecting Agency	South Coast AQMD	South Coast AQMD	South Coast AQMD	South Coast AQMD
Analytical Lab (i.e., weigh lab, toxics lab, other)	N/A	N/A	N/A	South Coast AQMD
Reporting Agency	South Coast AQMD	South Coast AQMD	South Coast AQMD	South Coast AQMD
Spatial scale (e.g. micro, neighborhood)	Neighborhood	Neighborhood	Neighborhood	Neighborhood
Monitoring start date (MM/DD/YYYY)	11/09/2005	11/09/2005	11/09/2005	11/09/2005
Current sampling frequency (e.g.1:3, continuous)	1:1	1:1	1:1	1:6
Calculated sampling frequency (e.g. 1:3/1:1)	N/A	N/A	N/A	1:6
Sampling season (MM/DD-MM/DD)	01/01-12/31	01/01-12/31	01/01-12/31	01/01-12/31
Probe height (meters)	4.4	4.4	4.4	2.6
Distance from supporting structure (meters)	1.8 *The roof itself is the supporting structure.	1.8 *The roof itself is the supporting structure.	1.8 *The roof itself is the supporting structure.	1.6
Distance from obstructions on roof (meters)	N/A	N/A	N/A	N/A

Distance from obstructions not on roof (meters)	N/A	N/A	N/A	N/A
Distance from trees (meters)	36	36	36	36
Distance to furnace or incinerator flue (meters)	N/A	N/A	N/A	N/A
Distance between collocated monitors (meters)	N/A	N/A	N/A	2
Unrestricted airflow (degrees)	360°	360°	360°	360°
Probe material for reactive gases (e.g. Pyrex, stainless steel, Teflon)	Teflon	Teflon	Teflon	N/A
Residence time for reactive gases (seconds)	7.9	13.2	8.6	N/A
Will there be changes within the next 18 months? (Y/N)	No	No	No	No
Is it suitable for comparison against the annual PM2.5? (Y/N)	N/A	N/A	N/A	N/A
Frequency of flow rate verification for manual PM samplers	N/A	N/A	N/A	Monthly
Frequency of flow rate verification for automated PM analyzers	N/A	N/A	N/A	N/A
Frequency of one-point QC check for gaseous instruments	Nightly	Nightly	Nightly	N/A
Last Annual Performance Evaluation for gaseous parameters (MM/DD/YYYY)	02/29/2020	02/29/2020	02/29/2020	N/A
Last two semi-annual flow rate audits for PM monitors (MM/DD/YYYY, MM/DD/YYYY)	N/A	N/A	N/A	08/28/2020 The first of two semi-annual flow rate audits were not completed due to COVID-19.

Pollutant, POC	Continuous PM2.5, 3	24 Hour PM2.5, 1	Continuous PM10, 3	24 Hour PM2.5, 2
Primary / QA Collocated / Other	Other	Primary	Other	QA Collocated
Parameter code	88502	88101	81102	88101
Basic monitoring objective(s)	NAAQS	NAAQS	NAAQS	NAAQS
Site type(s)	Highest Concentration	Highest Concentration	Highest Concentration	Highest Concentration
Monitor (type)	SLAMS	SLAMS	SLAMS	SLAMS
Network Affiliation	N/A	N/A	N/A	N/A
Instrument manufacturer and model	Met One BAM 1020	Thermo 2025i PM2.5 A Sampler	Met One BAM 1020	Thermo 2025i PM2.5 B Sampler
Method code	170	145	122	145
FRM/FEM/ARM/ other	FEM	FRM	FEM	FRM
Collecting Agency	South Coast AQMD	South Coast AQMD	South Coast AQMD	South Coast AQMD
Analytical Lab (i.e., weigh lab, toxics lab, other)	N/A	South Coast AQMD	N/A	South Coast AQMD
Reporting Agency	South Coast AQMD	South Coast AQMD	South Coast AQMD	South Coast AQMD
Spatial scale (e.g. micro, neighborhood)	Neighborhood	Neighborhood	Neighborhood	Neighborhood
Monitoring start date (MM/DD/YYYY)	11/09/2005	12/07/2005	03/08/2010	03/01/2012
Current sampling frequency (e.g.1:3, continuous)	Continuous	1:1	Continuous	1:6
Calculated sampling frequency (e.g. 1:3/1:1)	N/A	1:3	N/A	1:6
Sampling season (MM/DD-MM/DD)	01/01-12/31	01/01-12/31	01/01-12/31	01/01-12/31
Probe height (meters)	4.5	4.7	4.5	4.7
Distance from supporting structure (meters)	2.0	2.0	2.0	2.0
Distance from obstructions on roof (meters)	N/A	N/A	N/A	N/A
Distance from obstructions not on roof (meters)	N/A	N/A	N/A	N/A
Distance from trees (meters)	N/A	N/A	N/A	N/A
Distance to furnace or incinerator flue (meters)	N/A	N/A	N/A	N/A
Distance between collocated monitors (meters)	2.0	2.0	2.0	2.0
Unrestricted airflow (degrees)	360°	360°	360°	360°

Probe material for reactive gases (e.g. Pyrex, stainless steel, Teflon)	N/A	N/A	N/A	N/A
Residence time for reactive gases (seconds)	N/A	N/A	N/A	N/A
Will there be changes within the next 18 months? (Y/N)	No	No	No	No
Is it suitable for comparison against the annual PM2.5? (Y/N)	No, unless the manual sampler has missing data.	Yes	No	Yes
Frequency of flow rate verification for manual PM samplers	N/A	Bi-Weekly	N/A	Monthly
Frequency of flow rate verification for automated PM analyzers	Monthly	N/A	Monthly	N/A
Frequency of one-point QC check for gaseous instruments	N/A	N/A	N/A	N/A
Last Annual Performance Evaluation for gaseous parameters (MM/DD/YYYY)	N/A	N/A	N/A	N/A
Last two semi-annual flow rate audits for PM monitors (MM/DD/YYYY, MM/DD/YYYY)	05/21/2020 12/05/2020	06/08/2020 11/18/2020	05/21/2020 12/05/2020	06/12/2020 11/18/2020

Pollutant, POC	PM10, 2	PM10, 4		
Primary / QA Collocated / Other	Composite of POC 1	QA Collocated		
Parameter code	81102	81102		
Basic monitoring objective(s)	NAAQS	NAAQS		
Site type(s)	Highest Concentration	Highest Concentration		
Monitor (type)	SLAMS	SLAMS		
Network Affiliation	N/A	N/A		
Instrument manufacturer and model	GMW 1200 SSI	GMW 1200 SSI		
Method code	063	063		
FRM/FEM/ARM/ other	FRM	FRM		
Collecting Agency	South Coast AQMD	South Coast AQMD		
Analytical Lab (i.e., weigh lab, toxics lab, other)	South Coast AQMD	South Coast AQMD		
Reporting Agency	South Coast AQMD	South Coast AQMD		
Spatial scale (e.g. micro, neighborhood)	Neighborhood	Neighborhood		
Monitoring start date (MM/DD/YYYY)	11/09/2005	07/01/2014		
Current sampling frequency (e.g.1:3)	1:6	1:6		
Calculated sampling frequency (e.g. 1:3/1:1)	1:3	1:6		
Sampling season (MM/DD-MM/DD)	01/01-12/31	01/01-12/31		
Probe height (meters)	2.6	2.6		
Distance from supporting structure (meters)	1.6 *The stand itself is the supporting structure.	1.6 *The stand itself is the supporting structure.		
Distance from obstructions on roof (meters)	N/A	N/A		
Distance from obstructions not on roof (meters)	N/A	N/A		
Distance from trees (meters)	36	36		
Distance to furnace or incinerator flue (meters)	N/A	N/A		
Distance between collocated monitors (meters)	2.0	2.0		
Unrestricted airflow (degrees)	360°	360°		

Probe material for reactive gases (e.g. Pyrex, stainless steel, Teflon)	N/A	N/A		
Residence time for reactive gases (seconds)	N/A	N/A		
Will there be changes within the next 18 months? (Y/N)	No	No		
Is it suitable for comparison against the annual PM2.5?	N/A	N/A		
Frequency of flow rate verification for manual PM samplers	Monthly	Monthly		
Frequency of flow rate verification for automated PM analyzers	N/A	N/A		
Frequency of one-point QC check for gaseous instruments	N/A	N/A		
Last Annual Performance Evaluation for gaseous parameters	N/A	N/A		
Last two semi-annual flow rate audits for PM monitors	09/17/2020 The first of two semi-annual flow rate audits were not completed due to COVID-19.	08/28/2020 The first of two semi-annual flow rate audits were not completed due to COVID-19.		

Pollutant, POC	WS & D, 1/1	RH/T, 1/1	BP, 1	
Primary / QA Collocated / Other	N/A	N/A	N/A	
Parameter code	61101/61102	62201/62101	64101	
Basic monitoring objective(s)	NAAQS	NAAQS	NAAQS	
Site type(s)	Meteorological	Meteorological	Meteorological	
Monitor (type)	SLAMS	SLAMS	SLAMS	
Network Affiliation	N/A	N/A	N/A	
Instrument manufacturer and model	RM Young 05305V	Rotronic HC2-S3	Met One 091	
Method code	065/065	063/063	015	
FRM/FEM/ARM/ other	N/A	N/A	N/A	
Collecting Agency	South Coast AQMD	South Coast AQMD	South Coast AQMD	
Analytical Lab (i.e., weigh lab, toxics lab, other)	N/A	N/A	N/A	
Reporting Agency	South Coast AQMD	South Coast AQMD	South Coast AQMD	
Spatial scale (e.g. micro, neighborhood)	Neighborhood	Neighborhood	Neighborhood	
Monitoring start date (MM/DD/YYYY)	11/2005	11/2005	11/2005	
Current sampling frequency (e.g.1:3)	Continuous	Continuous	Continuous	
Calculated sampling frequency (e.g. 1:3/1:1)	1:1	1:1	1:1	
Sampling season (MM/DD-MM/DD)	01/01-12/31	01/01-12/31	01/01-12/31	
Probe height (meters)	10	9.0	2.5	
Distance from supporting structure (meters)	10	9.0	.25	
Distance from obstructions on roof (meters)	N/A	N/A	N/A	
Distance from obstructions not on roof (meters)	N/A	N/A	N/A	
Distance from trees (meters)	36	36	36	
Distance to furnace or incinerator flue (meters)	N/A	N/A	N/A	
Distance between collocated monitors (meters)	N/A	N/A	N/A	
Unrestricted airflow (degrees)	360°	360°	360°	

Probe material for reactive gases (e.g. Pyrex, stainless steel, Teflon)	N/A	N/A	N/A	
Residence time for reactive gases (seconds)	N/A	N/A	N/A	
Will there be changes within the next 18 months? (Y/N)	No	No	No	
Is it suitable for comparison against the annual PM2.5?	N/A	N/A	N/A	
Frequency of flow rate verification for manual PM samplers	N/A	N/A	N/A	
Frequency of flow rate verification for automated PM analyzers	N/A	N/A	N/A	
Frequency of one-point QC check for gaseous instruments	N/A	N/A	N/A	
Last Annual Performance Evaluation for gaseous parameters	N/A	N/A	N/A	
Last two semi-annual flow rate audits for PM monitors	N/A	N/A	N/A	

Mira Loma (Van Buren)
Site Photos

Looking North from the probe.

Looking East from the probe.

Looking South from the probe.

Looking West from the probe.

Mira Loma (Van Buren)
Site Photos (Cont.)

Looking at the probe from the North.

Looking at the probe from the East.

Looking at the probe from the South.

Looking at the probe from the West.